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Supercomputer designers traditionally focus on low-level hardware performance, disk bandwidth, and memory latency. The High-Performance Computing (HPC) community must realize that escalating hardware ...

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With the advances in mobile grid technology, it is possible to store ever greater amounts of data in a distributed environment. The issues of information retrieval and knowledge discovery in such environments are becoming increasingly ...

Keywords: Information extraction, Mobile agent, Mobile grid, Resource aware

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Grid resources are non-dedicated, and thus grid users are forced to compete for cycles. As a result, the turnaround times of both the grid jobs and the owners of these resources are increased. To solve this problem, the current ...

Keywords: CPU cycle stealing, Distributed shared memory, Non-dedicated resources, Teamster-G, Time-shared grid resources

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